

REMARKS/ARGUMENTS

Before a first Office action on the merits of this case, the above amendments to the written description and drawing figures are presented, and reconsideration of this case is respectfully requested.

A set of new formal drawing figures is provided which includes two new drawing figures (figures 22 and 23) on additional sheets for inclusion with this application. The text has also been amended to correspond with the addition of these drawing figures. The new drawing figures 22 and 23 were necessitated due to the voluminous number of pressure, temperature and flow rate parameters included on figures 19 and 20 as originally filed. The new figures 22 and 23 have merely allowed some of these numbers to be moved to the new figures 22 and 23.

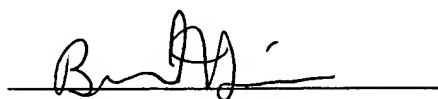
Care has been taken to make sure that these two new figures added to this case and the additional text added to this case does not present any new matter. Particularly, originally filed figures 19 and 20 included numbers identifying operating parameters (pressure, temperature, flow rate) for different positions within the power generation systems depicted therein. The quantity of parameters in figures 19 and 20 were too high to clearly depict on replacement figures 19 and 20. Hence, new figures 22 and 23 have been provided. New figure 22 includes the operating parameters which were previously provided on figure 19. Points where the parameters have been taken have been labeled on figure 19 and labeled within the table of figure 22. Similarly, points in figure 20 have been labeled and the operating parameters for those points provided in the table of figure 23. New figures 22 and 23 thus do not include any new information, but rather include information taken from figures 19 and 20 and placed in table form within new figures 22 and 23.

Also, figure descriptions have been provided for new figures 22 and 23 identifying briefly what is shown in these new figures. Also, the text of the application has been modified so that wherever figure 19 had previously been referenced, figures 19

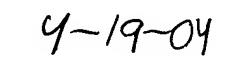
and 22 are now referenced. Also, where figure 20 had previously been referenced now figures 20 and 23 are referenced.

Accordingly, reconsideration of this case is respectfully requested. Should the examiner have any questions which would benefit from a discussion with the undersigned, the examiner is invited to contact the undersigned by telephone.

Respectfully Submitted:

A handwritten signature in black ink, appearing to read 'Bradley P. Heisler', is written over a horizontal line.

Bradley P. Heisler
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Telephone (916) 781-6634
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A handwritten date '9-19-04' is written in black ink over a horizontal line.

Date

The diagram illustrates a CO2 capture process for a 1000 MW power plant. Key components and flow parameters are as follows:

- Gas Generator:** Receives fuel (50 kg/s) and air (91.93 MW). It produces gas (14.16 MW) and steam (14.80 MW).
- Turbine/Expander:** Receives gas (14.16 MW) and steam (14.80 MW). It produces electric power (5531 MW) and exhausts gas (14.53 MW) and steam (14.53 MW).
- Gas Separator/Condenser:** Receives gas (14.53 MW) and steam (14.53 MW). It separates CO2 (14.53 MW) and steam (14.53 MW).
- CO2 Injection Well:** Receives CO2 (14.53 MW) and steam (14.53 MW).
- Heat Exchangers (AA through Z):** Various heat exchangers are shown, including AA (1550 MW), AB (1550 MW), AC (1550 MW), AD (1550 MW), AE (1550 MW), AF (1550 MW), AG (1550 MW), AH (1550 MW), AI (1550 MW), AJ (1550 MW), AK (1550 MW), AL (1550 MW), AM (1550 MW), AN (1550 MW), AO (1550 MW), AP (1550 MW), AQ (1550 MW), AR (1550 MW), AS (1550 MW), AT (1550 MW), AU (1550 MW), AV (1550 MW), AW (1550 MW), AX (1550 MW), AY (1550 MW), AZ (1550 MW).
- Other Components:** Compressor/pump, Oxygen Plant (641.9 MW), Electric power generator, CO2 injection well, and various pumps and valves.

Handwritten annotations identify the 'gas generator', 'turbine/expander', 'separator/condenser', and 'CO2 injection well'.

Annotated Sheet Showing Changes

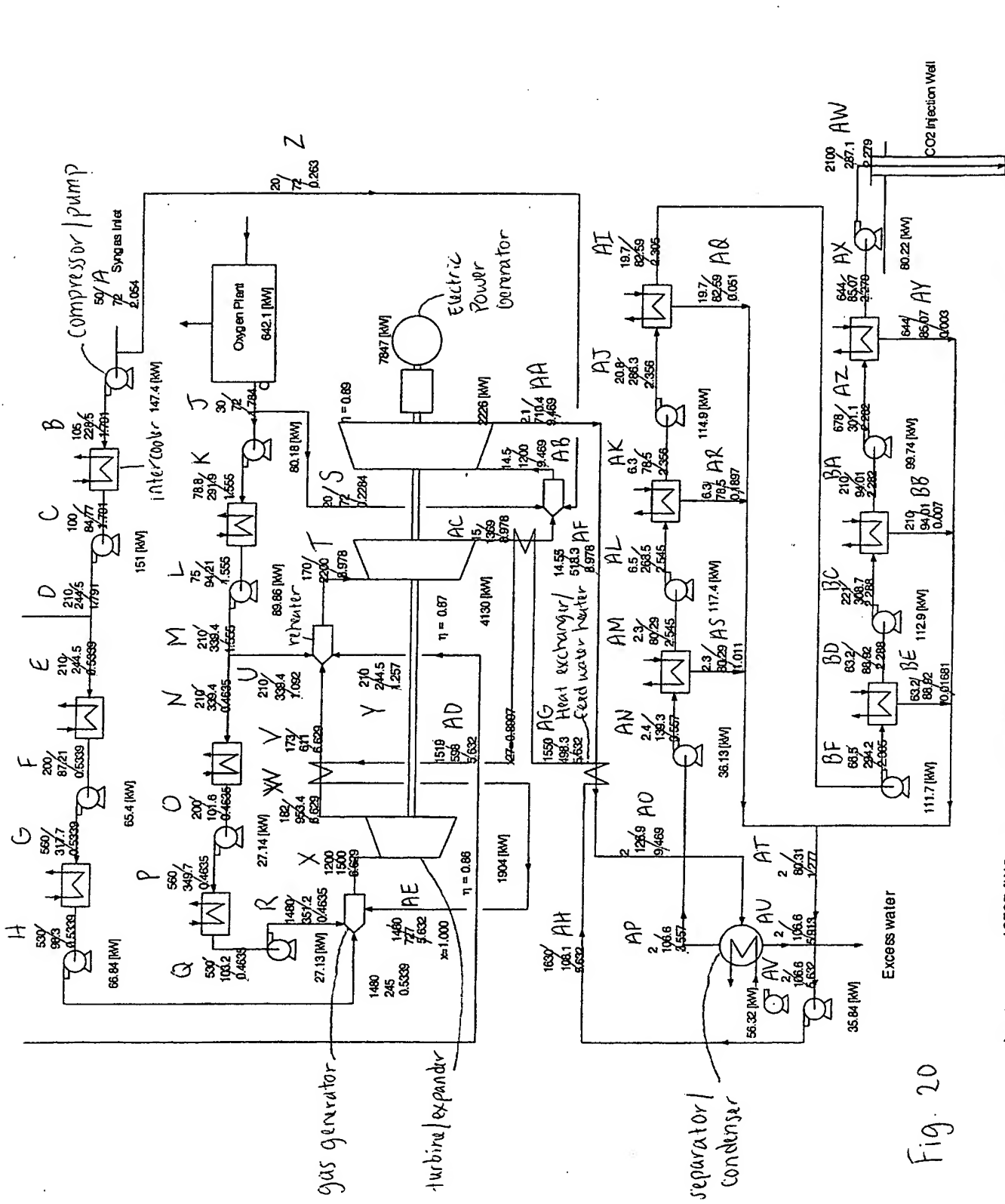


Fig. 20

Input power = 12707 [kW] LHV — Electrical power generated = 7847 [kW] — Parasitic power = 2132 [kW] — Net electrical power = 5715 [kW]

LHV thermal efficiency = 0.4497

Power Plant Operating on Syngas and with Two Reheaters

Upper Number = Pressure in lb/in², Middle Number = Temperature in °F, Bottom Number = Flow Rate in lb/sec